

Ignition Module 24 584 36-S

In 1995, we began using graphite insulator washers behind the ignition modules on Command 22 and 25 HP engines to help prevent heat transfer from the crankcase. They are no longer being used. This module can be used to service all Command twins with Smart Spark™ ignition, regardless of vintage.



WARNING: Accidental Starts!

Disabling engine. Accidental starting can cause severe injury or death. Before working on the engine or equipment, disable the engine as follows: 1) Disconnect the spark plug lead(s). 2) Disconnect negative (-) battery cable from battery.

The blower housing must be removed to install the ignition module. Proceed as follows:

1. Be sure the vehicle ignition switch is off and the parking brake is set.
2. Be sure the negative battery cable is disconnected from the battery.
3. Remove the two fuel pump mounting screws. See Figure 1.

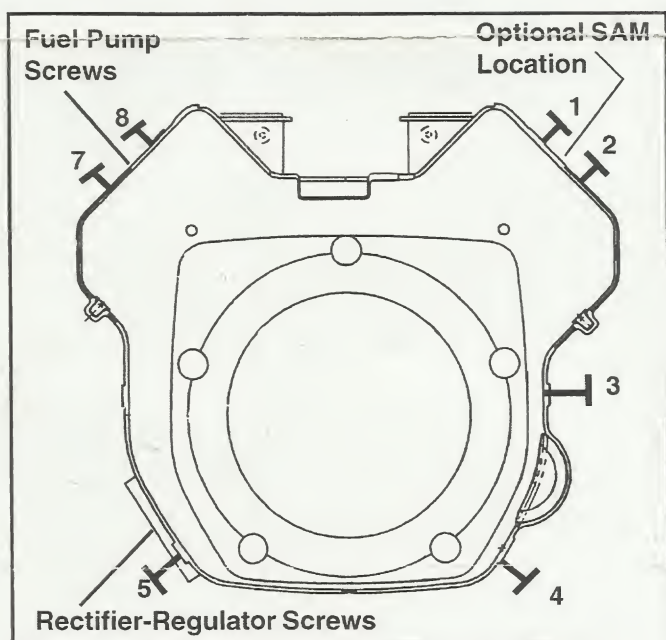


Figure 1. Blower Housing Hardware Positions.

4. Remove the two rectifier-regulator mounting screws. Pull the rectifier-regulator out of the blower housing.
5. If the SAM mounts to the blower housing, remove the mounting screws.
6. If the flywheel screen overlaps the blower housing, remove the screen. On some vertical shaft versions, it may also be necessary to loosen or remove the oil cooler, oil separator, and throttle cable bracket assembly.
7. Remove the eight mounting screws from the blower housing. Notice the notches where the spark plug leads come through the housing. Carefully slide the housing forward. If the SAM was mounted to the housing, direct the sheathed wiring harness out through the notched opening. On engines with a key switch, reach in behind the housing and unplug the connector from the switch. Remove the blower housing and set it aside.
8. Rotate the flywheel so the ignition magnet is away from the modules. Note the orientation of the module lead wires and corresponding terminals, then disconnect the leads.
9. Remove the mounting screws from the faulty/failed ignition module. As you remove the module, note whether there are graphite washers between the module and mounting bosses.
 - a. If washers are present, discard the washers and the bad module. Also remove the opposite ignition module, so those washers can be removed and discarded.
 - b. If no washers are present, discard the bad module.
 - c. If one module is found faulty on engines before Serial Number **2726520717**, check the vendor part number on the opposite module. If it is MA-2, MA-2A, or MA-2B, that module should also be replaced. If it is MA-2C or MA-2D, replace only the module that is faulty.